

REMARKS

By this Amendment, claims 44 and 45 have been amended. Claims 2, 5-7, 9, 12-19, 21-25, 27-29, 31-39 and 41-45 are pending in the application. The specification has been amended in the "BRIEF DESCRIPTION OF THE DRAWINGS" section. Applicants respectfully submit that the amendments do not add new matter, do not raise any new issue that would require further searching and/or consideration by the Office, and place the application in condition for allowance. Accordingly, the amendments should be entered. Favorable consideration and allowance are respectfully requested in light of the above amendments and the following remarks.

Allowable Subject Matter

Applicants gratefully acknowledge that claims 2, 5-7, 9, 12-19, 21-25, 27-29, 31-39, 41-43 have been allowed.

Telephonic Interview

Applicants thank Examiner Lu for conducting a telephonic interview with their undersigned representative on May 9, 2007. Applicants' separate record of the substance of the interview is incorporated in the following remarks.

Objection to Specification Under 35 U.S.C. § 132(a)

The Amendment filed on September 25, 2006, was objected to under 35 U.S.C. § 132(a), because it allegedly introduced new matter into the disclosure. This objection will be discussed below.

Rejection Under 35 U.S.C. § 112, ¶1

Claims 44 and 45 were rejected under 35 U.S.C. § 112, ¶1, as allegedly failing to comply with the written description requirement.

As was discussed during the telephonic interview, Applicants have amended claims 44 and 45. Amended claim 44 recites that "the sieve bottom area of the first chamber is equal to 2/3 of the total sieve bottom area of all chambers." To demonstrate support in the original disclosure for the amendment to claim 44, Applicants have attached a certified copy of the German-language priority document, DE 101 44 747.7. The entire contents of the priority document were incorporated by reference in the present application. See paragraph [0001] of the present application. In Fig. 5c shown in the priority document, the horizontal axis indicates values of " A/A_{tot} " ranging from 0 to 1. Below the horizontal axis, the following is shown: "A: Siebbodenfläche"; " A_{tot} : gesamte Siebbodenfläche"; and " A/A_{tot} : Flächenanteil."

Applicants have attached a verified Statement from Erhard Krumholz, providing an explanation of the relationship of Fig. 5c to Fig. 5b and also an English translation of the German-language terms shown below the horizontal axis in Fig. 5c. In the Statement, it is confirmed that Fig. 5c (curve 2) relates to the five-chamber structure shown in Fig. 5b. As further discussed in the Statement, in Fig. 5c, "A" denotes "Siebbodenfläche" = "sieve bottom area"; and A_{tot} denotes "gesamte Siebbodenfläche" = "total/entire sieve bottom area." The ratio of A/A_{tot} shown in Fig. 5c pertains to the five-stage fluidized layer (i.e., five chambers) shown in Fig. 5b.

As also discussed in the statement, $A = A(x)$ is the partial sieve bottom area covered when a fictitious wall is moved from the origin (0) at the left end towards the

end (A_{tot}) at the right in the Fig. 5c diagram. A_{tot} is constant. Due to symmetry, the linear position (x) on the abscissa is proportional to $A(x)$ and thus proportional to $A(x)/A_{tot}$. Thus, in Fig. 5c, the abscissa (position x) represents $A(x)/A_{tot}$, with each short vertical line on the abscissa indicating one of the fixed walls for the five-stage fluidized layer shown in Fig. 5b. For example, as shown in Fig. 5c, the ratio of the sieve bottom area of the first chamber (first stage) to the total sieve bottom area of the five chambers (five stages) is equal to $2/3$.

Applicants have amended the description of Fig. 5c in the "BRIEF DESCRIPTION OF THE DRAWINGS" section to describe the meaning of the terms A , A_{tot} and A/A_{tot} . See also paragraph [00051] of the specification. Applicants submit that these amendments fully address the objection to the specification.

Claim 45 has been amended to recite that "the absolute filling height of the fluidized granulate in the first chamber is at least as high as in each of the chambers downstream of the first chamber" (emphasis added). Support for this amendment can be found in paragraph [00028] of the specification and Fig. 2. The "absolute filling height" is the maximum filling height of the fluidized granulate. As shown in Fig. 2, the maximum filling height of the fluidized granulate is at least as high in the first chamber (i.e., the left-most chamber) as in each of the other chambers downstream of the first chamber.

Applicants submit that claims 44 and 45 are in compliance with the requirements of 35 U.S.C. § 112, ¶1. Therefore, withdrawal of the rejection is respectfully requested.

Conclusion

For the foregoing reasons, allowance of the application is respectfully requested. Should there be any questions regarding this reply, Applicants' undersigned representative can be reached at the telephone number given below.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: August 21, 2007

By: 

Edward A. Brown
Registration No. 35,033

P.O. Box 1404
Alexandria, VA 22313-1404
703 836 6620